

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/575,829
Source: 1FWO
Date Processed by STIC: 2/22/07

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IFWO

RAW SEQUENCE LISTING

DATE: 02/22/2007

PATENT APPLICATION: US/10/575,829

TIME: 13:42:25

Input Set : E:\22328 Sequence Listing.txt

Output Set: N:\CRF4\02222007\J575829.raw

3 <110> APPLICANT: Roche Molecular Systems
 5 <120> TITLE OF INVENTION: Method for Distinguishing Immunologically Defined ALL
 Subtype
 7 <130> FILE REFERENCE: 22328-US
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/575,829
 C--> 10 <141> CURRENT FILING DATE: 2006-04-14
 12 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/012459
 13 <151> PRIOR FILING DATE: 2003-11-04
 15 <160> NUMBER OF SEQ ID NOS: 239
 17 <170> SOFTWARE: PatentIn version 3.4
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 491
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Homo sapiens
 25 <220> FEATURE:
 26 <221> NAME/KEY: misc_feature
 27 <223> OTHER INFORMATION: n = any nucleotide OK
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 32 aagaaacaga acactggctc aaagaaaagc aataaaaaata agagtggcaa gaaccagttt 120
 34 aacagaggtg gtggccatag aggacgtgga ggattcaata tgcgtggtgg aaatttcaga 180
 36 ggaggagccc ctgggaatcg tggcggatat aataggaggg gcaacatgcc acagagaggt 240
 38 ggtggcggtg gaggaagtgg tggaatcggc tatccatacc ctcggtgccc tgtttttctt 300
 40 ggccgtggta gttactcaaa cagaggggaac tacaacagag gtggaatgcc caacagaggg 360
 42 aactacaacc agaacttcag aggacgagga aacaatcgtg gctacaaaaa tcaatctcag 420
 44 ggctacaacc agtggcagca gggtaattc tggggtcaga agccatggag tcagcattat 480
 46 caccaaggat a 491
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 50 <211> LENGTH: 307
 51 <212> TYPE: DNA
 52 <213> ORGANISM: Homo sapiens
 54 <400> SEQUENCE: 2
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 57 cgctttctac actgtattac ataaataaat taaataaaat aaccccgggc aagacttttc 120
 59 tttgaaggat gactacagac attaaataat cgaagtaatt ttgggtgggg agaagaggca 180
 61 gattcaattt tctttaacca gtctgaagtt tcatttatga tacaaaagaa gatgaaaatg 240
 63 gaagtggcaa tataagggga tgaggaaggc atgcctggac aaacccttct ttttaagatg 300
 65 gtcttca 307
 68 <210> SEQ ID NO: 3
 69 <211> LENGTH: 519
 70 <212> TYPE: DNA
 71 <213> ORGANISM: Homo sapiens
 73 <400> SEQUENCE: 3
 74 gtttgaact ttaatagcgt tgcaacgaaa tcctatatcc agtttcctgt aatttaattg 60

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76 aagaaaaata catccaaata aagactttat tattaacaga ccagatagca tcagaaatca 120
78 tgtgactgtt atgattatca gaatatgtct taacttttta gggcaaagt aacactgaaa 180
80 gttctagctt aagtgttgaa acttttgtgg gaaaaaaaaa tcaactttga aactcagact 240
82 tcagtgtata cccaataatt taaaattatg tgaaatgttt taaatttgtg aactcgtaat 300
84 tactgtttta atgattcagt ttcttcagag tggttaattgt ataaaattgc tattgcagct 360
86 ttatattcaa tatgatgtgc ctgtaaacca aggagttttc cccgtttgta aaaagacatt 420
88 gtagataatt gaatgtttga ttttagaaaag gtcattagtt tcttggtaca cattttgtta 480
90 gtctggtttt tgttgcttat cgggtttaat attgttctt 519
93 <210> SEQ ID NO: 4
94 <211> LENGTH: 140
95 <212> TYPE: DNA
96 <213> ORGANISM: Homo sapiens
98 <400> SEQUENCE: 4
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101 tctattctct aaataatgat ggggctaagt tatacccaaa gtcacttta caaaatattt 120
103 ctcagtact ttgcagaaaa 140
106 <210> SEQ ID NO: 5
107 <211> LENGTH: 425
108 <212> TYPE: DNA
109 <213> ORGANISM: Homo sapiens
111 <400> SEQUENCE: 5
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114 cctttttatc tgatctgtga ttaaagcagt aatattttta gatggactgg gaaaaacatc 120
116 aactcctgaa gtagaaaata agaatgggtt gtaaaatcca cagctatatc ctgatgctgg 180
118 atggatttaa tcttgtgtag tcttcaactg gttagtgtga aatagttctg ccacctctga 240
120 cgcaccactg ccaatgctgt acgtactgca ttgcccctt gagccagggt gatgtttacc 300
122 gtgtgttata taacttcctg gctccttcac tgaacatgcc tagtccaaca ttttttccca 360
124 gtgagtcaca tcctgggatc cagtgtataa atccaatatc atgtcttggt cataattctt 420
126 ccaaa 425
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130 <211> LENGTH: 454
131 <212> TYPE: DNA
132 <213> ORGANISM: Homo sapiens
134 <400> SEQUENCE: 6
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137 gtgggtgtct tgtgtccgct tctcgcccaa cagcagcaac cctatcatcg tctcctgtgg 120
139 ctgggacaag ctggtcaagg tatggaacct ggctaactgc aagctgaaga ccaaccacat 180
141 tggccacaca ggctatctga acacgggtgac tgtctctcca gatggatccc tctgtgcttc 240
143 tggaggcaag gatggccagg ccatgttatg ggatctcaac gaaggcaaac acctttacac 300
145 gctagatggg ggggacatca tcaacgccct gtgcttcagc cctaaccgct actggctgtg 360
147 tgctgccaca ggcccagca tcaagatctg ggatttagag ggaaagatca ttgtagatga 420
149 actgaagcaa gaagttatca gtaccagcag caag 454
152 <210> SEQ ID NO: 7
153 <211> LENGTH: 373
154 <212> TYPE: DNA
155 <213> ORGANISM: Homo sapiens
157 <400> SEQUENCE: 7
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160 agggacggag ccggactgga catggtcact cagtaccgcc tgcagtgtcg ccatgactga 120

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162 tcatggctct tgcatttttg ggtaaattgga gacttccgga tcctgtcagg gtgtccccc 180
164 tgcctggaag aggagctggg ggctgccagc cctggcgggc gcacagcctg ggctccccc 240
166 tccctcaagc cagggctcct cctcctgtcg tgggctcatt tgccaggtc aggccaggtc 300
168 tggacagctg tgactctcct caagccagga ctaccgacca gccggctatg ggcacattac 360
170 gtgaccactg gcc 373
173 <210> SEQ ID NO: 8
174 <211> LENGTH: 494
175 <212> TYPE: DNA
176 <213> ORGANISM: Homo sapiens
178 <400> SEQUENCE: 8
179 agtgccgaca ggacgggtcat tgattacaac ggggaacgca cgctggatgg ttttaagaaa 60
181 ttcctagaga gcggtggcca agatggggca ggggatgttg acgacctcga ggacctcgaa 120
183 gaagcagagg agccagacat ggaggaagac gatgaccaga aagctgtgaa agatgaactg 180
185 taatacgaag agccggaccc gggcgctgcc gagaccctc gggggctgca caccagcag 240
187 cagcgcacgc ctccgaagcc tgcggcctcg cttgaaggag ggcgtcgccg gaaacccaag 300
189 gaacctctct gaagtgcac ctcaccccta cacaccgtcc gttcaccccc gtctcttct 360
191 tctgcttttc ggttttttga aaacccgat cctactctag gcagcccacc ttggtgggct 420
193 tgtttctga aaccatgatg tactttttca tacatgagtc tgtccagagt gcttgctacc 480
195 gtgttcggag tctc 494
198 <210> SEQ ID NO: 9
199 <211> LENGTH: 434
200 <212> TYPE: DNA
201 <213> ORGANISM: Homo sapiens
203 <400> SEQUENCE: 9
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206 tcgtcatcag ctggatgatc gcacagactg tcaactgctgt tgccgggttg acttctatc 120
208 catttgacac cgttcgcccgc cgcagtatga tgcagtcagg gcgcaaagga actgacatca 180
210 tgtacacagg cagccttgac tgctggcgga agattgctcg tgatgaagga ggcaaagctt 240
212 ttttcaaggg tgcattgtcc aatgttctca gaggcattgg tggtgctttt gtgcttgtct 300
214 tgtatgatga aatcaagaag tacacataag ttatttctta ggatttttcc ccctgtgaac 360
216 aggcattgtg tattctataa cacaatcttg agcattcttg acagactcct ggctgtcagt 420
218 ttctcagtgg caac 434
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222 <211> LENGTH: 416
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224 <213> ORGANISM: Homo sapiens
226 <400> SEQUENCE: 10
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229 tgcagggctt ctctctctct gtcttttggga gaaccagggc tcttctcagg ggctctaggg 120
231 actgccaggc tgtttcagcc aggaaggcca aaatcaagag tgagatgtag aaagtgtgaa 180
233 aatagaaaaa gtggagtgg tgaatcgggt gttctttcct cacatttggga tgattgtcat 240
235 aaggttttta gcatgttctt ctttttctt accctcccct ttgttcttct attaatcaag 300
237 agaaacttca aagttaattg gatggtcgga tctcacaggc tgagaactcg ttcacctcca 360
239 agcatttcat gaaaaagctg cttcttatta atcatacaaa ctctcaccat gatgtg 416
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243 <211> LENGTH: 415
244 <212> TYPE: DNA
245 <213> ORGANISM: Homo sapiens
247 <400> SEQUENCE: 11

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248 accccttggtg aagcccaaga tcgtcaaaaa gagaaccaag aagttcatcc ggcaccagtc      60
250 agaccgatat gtcaaaaatta agcgtaactg gcggaaaccc agaggcattg acaacaggggt      120
252 tcgtagaaga ttcaagggcc agatcttgat gccaacatt gggtatggaa gcaacaaaaa      180
254 aacaaagcac atgctgcccc gtggcttccg gaagttcctg gtccacaacg tcaaggagct      240
256 ggaagtgtg ctgatgtgca acaaactcta ctgtgccgag atcgctcaca atgtttcctc      300
258 caagaaccgc aaagccatcg tggaaaagag tgcccaactg gccatcagag tcaccaaccc      360
260 caatgccagg ctgcgcagtg aagaaaatga gtaggcagct catgtgcacg ttttc      415
263 <210> SEQ ID NO: 12
264 <211> LENGTH: 423
265 <212> TYPE: DNA
266 <213> ORGANISM: Homo sapiens
268 <400> SEQUENCE: 12
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271 aaggaaaaaa agaaaaaac cttatctctt gccctatttt tgaattttcc actctttcat      120
273 taatttggtt taagctcctg ttggaaaaaa aggggtagtg cattttaaat tgaccttcat      180
275 acgcttttaa aataagacaa atctacttga taatgtacct ttatttgatc tcaagttgta      240
277 taaaaccaat aaatttgtgt tactgcagta gtaatcttat gcacacggtg atttcatgtt      300
279 atatatgcaa agtaggcaac tgttttctta gttacagaag tttcaagctt cacttttgtg      360
281 cagtagaaac aaaagtaggc tacagtctgt gccatgttga tgtacagttt ctgaaattgt      420
283 ttt      423
286 <210> SEQ ID NO: 13
287 <211> LENGTH: 358
288 <212> TYPE: DNA
289 <213> ORGANISM: Homo sapiens
291 <400> SEQUENCE: 13
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294 aaaagacaga agccttgact tctgctaagc ggtacatcga gacggacca gccaatcggg      120
296 atcggcggac gcccatcacc gtggtgaagc aaggctttga gcctccctcc tttgtgggct      180
298 gggtccttgg ctgggatgat gattactggt ctgtggaccc cttggacagg gccatggctg      240
300 agctggctgc ctgaggaggg gcagggccca cccatgtcac cggtcagtgc cttttggaac      300
302 tgtccttccc tcaaagaggc cttagagcga gcagagcagc tctgctatga gtgtgtgt      358
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306 <211> LENGTH: 529
307 <212> TYPE: DNA
308 <213> ORGANISM: Homo sapiens
310 <400> SEQUENCE: 14
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313 gggaaagaag ctgagtttgc cagcataagt gccaaagacc atcaccagca tctgtccttc      120
315 aggggtgctg gacagaattc ttaccacagc aaaggcataa gatgcttgat acggaaaatc      180
317 agaaacttaa ctcttttgtt gcagatagtc atcagtggtc ctgtaaaaac gcagaggaaa      240
319 agagccagaa gggttctgtt taatgcatct tgccttatct ttttttatta ctgtgtacaa      300
321 agattttttt acacaaagaa acttaatgct gtattaataa attcagtgtg tagcttcaat      360
323 tgggatagtt ccaaaagtga agattttgtg aggaataagt gcaaattttt tttttatatt      420
325 aaaaaattct ttgaaactct taagtctttg tgtctgcaat gaaattgtac tccttgacag      480
327 ttgatagatt atgtattctt ccatccctca aacttgcatt ccactatat      529
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331 <211> LENGTH: 529
332 <212> TYPE: DNA
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Input Set : E:\22328 Sequence Listing.txt

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335 <400> SEQUENCE: 15
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340 tatccgggtg cggctccacc ccttccacgt catccgcac aacaagatgt tgtcctgtgc      180
342 tggggctgac aggtccaaa caggcatgcg aggtgccttt ggaaagcccc agggcactgt      240
344 ggccagggtt cacattggcc aagttatcat gtccatccgc accaagctgc agaacaagga      300
346 gcatgtgatt gaggccctgc gcagggccaa gttcaaqtct cctggccgcc agaagatcca      360
348 catctcaaag aagtggggct tcaccaagtt caatgctgat gaatttgaag acatggtggc      420
350 tgaaaagcgg ctcatcccag atggctgtgg ggtcaagtac atccccagtc gtggccctct      480
352 ggacaagtgg cgggccctgc actcatgagg gcttccaatg tgctgcccc      529
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356 <211> LENGTH: 393
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358 <213> ORGANISM: Homo sapiens
360 <400> SEQUENCE: 16
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365 cgggctgctg tagcaggaga ggatggcaga atgattgctg gccaggtttt agatattaac      180
367 ctggctgcag agccaaaagt gaaccgagga aaagcagggtg tgaaacgata tgcagcggag      240
369 atgtacggct cctcttttga cttggactat gactttcaac gggactatta tgataggatg      300
371 tacagttacc cagcagtggt acctcctcct cctcctattg ctcgggctgt agtgcctctg      360
373 aaacgtcagc gtgtatcagg aaacacttca cga      393
376 <210> SEQ ID NO: 17
377 <211> LENGTH: 496
378 <212> TYPE: DNA
379 <213> ORGANISM: Homo sapiens
381 <400> SEQUENCE: 17
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384 gccaggata atgtaacttc accccagcct ttgtactaag ctcttgatag tggatatact      120
386 cttttaagtt tagccccaat atagggtaat ggaaatttcc tgccctctgg gttccccatt      180
388 tttactatta agaagaccag tgataattta ataatgccac caactctggc ttagttaagt      240
390 gagagtgtga actgtgtggc aagagagcct cacacctcac taggtgcaga gagcccaggc      300
392 cttatgttaa aatcatgcac ttgaaaagca aaccttaatc tgcaaagaca gcagcaagca      360
394 ttatacggtc atcttgaatg atccctttga aatttttttt ttgtttgttt gtttaaataca      420
396 agcctgaggc tgggtgaacag tagctacaca cccatattgt gtgttctgtg aatgctagct      480
398 ctcttgaatt tggata      496
401 <210> SEQ ID NO: 18
402 <211> LENGTH: 534
403 <212> TYPE: DNA
404 <213> ORGANISM: Homo sapiens
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409 tccaggcagc caagaacttg atgaatgctg tgggtgcagac agtgaaggca tcctacgtcg      120
411 cctctaccaa ataccaaaag tcacagggtg tggcttcctt caaccttctt gctgtgtcat      180
413 ggaagatgaa ggcaaccagag aaaaagccat tgggtgaagag agagaaacag gatgagacac      240
415 agaccaagat taaacgggca tctcagaaga agcacgtgaa cccgggtgcag gccctcagcg      300
417 agttcaaagc tatggacagc atctaagtct gcccaggccg gccgccccca cccctcgggg      360
419 ctctgaata tcagtcactg ttcgtcactc aaatgaattt gctaaataca aactgatac      420
421 tagattccac agggaaatgg gcagactgaa ccagtccagg tgggtgaattt tccaagaaca      480

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FYI

Input Set : E:\22328 Sequence Listing.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:26; N Pos. 174,389
Seq#:32; N Pos. 36
Seq#:33; N Pos. 105,112,127,141
Seq#:40; N Pos. 35
Seq#:55; N Pos. 34,104,141,152,174,177,197,202,204,206,232,235,244,271,303
Seq#:55; N Pos. 312,315,349,354,384,389,400,407,415,423,499
Seq#:72; N Pos. 37,177
Seq#:86; N Pos. 297,298
Seq#:96; N Pos. 321,322
Seq#:122; N Pos. 231
Seq#:124; N Pos. 287
Seq#:156; N Pos. 277
Seq#:160; N Pos. 76
Seq#:163; N Pos. 66
Seq#:165; N Pos. 190,191,192,194,195,196,197,198,199,200,308
Seq#:191; N Pos. 182,475,514,515
Seq#:209; N Pos. 148
Seq#:216; N Pos. 57,58,59,183,303,305,316,389,404

VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:120
L:613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:360
L:743 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:774 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:60
L:776 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:120
L:935 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:1294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0
L:1296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:60
L:1298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:120
L:1300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:180
L:1302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:240
L:1304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:300
L:1306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:360
L:1308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:420
L:1310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:480
L:1683 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:0
L:1687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:120
L:2001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:240
L:2239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:300
L:2835 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:180
L:2893 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:240
L:3643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:156 after pos.:240
L:3743 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:160 after pos.:60
L:3824 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:163 after pos.:60
L:3880 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:165 after pos.:180
L:3884 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:165 after pos.:300
L:4502 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:180
L:4510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:420
L:4512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:480
L:4946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:209 after pos.:120
L:5123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:0
L:5129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:180
L:5133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:300
L:5135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:360